

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION AND NON-INVASIVE PROBES AT THE INTERSECTION OF MD 222 AND RESERVOIR ROAD/TRAVEL PLAZA IN CECIL COUNTY. MD 222 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION

II. INTERSECTION OPERATION

1. THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA 2-PHASE, SEMI-ACTUATED MODE, WITH THE MD 222 APPROACHES OPERATING CONCURRENTLY. THE RESERVOIR ROAD AND TRAVEL PLAZA APPROACHES OPERATE CONCURRENTLY.

CONTACTS

DISTRICT

MR. TERRY WRIGHT
DISTRICT ENGINEER
PHONE NUMBER 410-810-3210

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE NUMBER 410-810-3240

MR. BARRY CLOTHIER
DISTRICT UTILITIES ENGINEER
PHONE NUMBER 410-810-3275

MR. TURK BRADLEY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE NUMBER 443-572-5221

MR. HENRY TEETS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE NUMBER 410-810-3250

OFFICE OF TRAFFIC AND SAFETY

CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADIMISTRATION

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
9000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-8 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

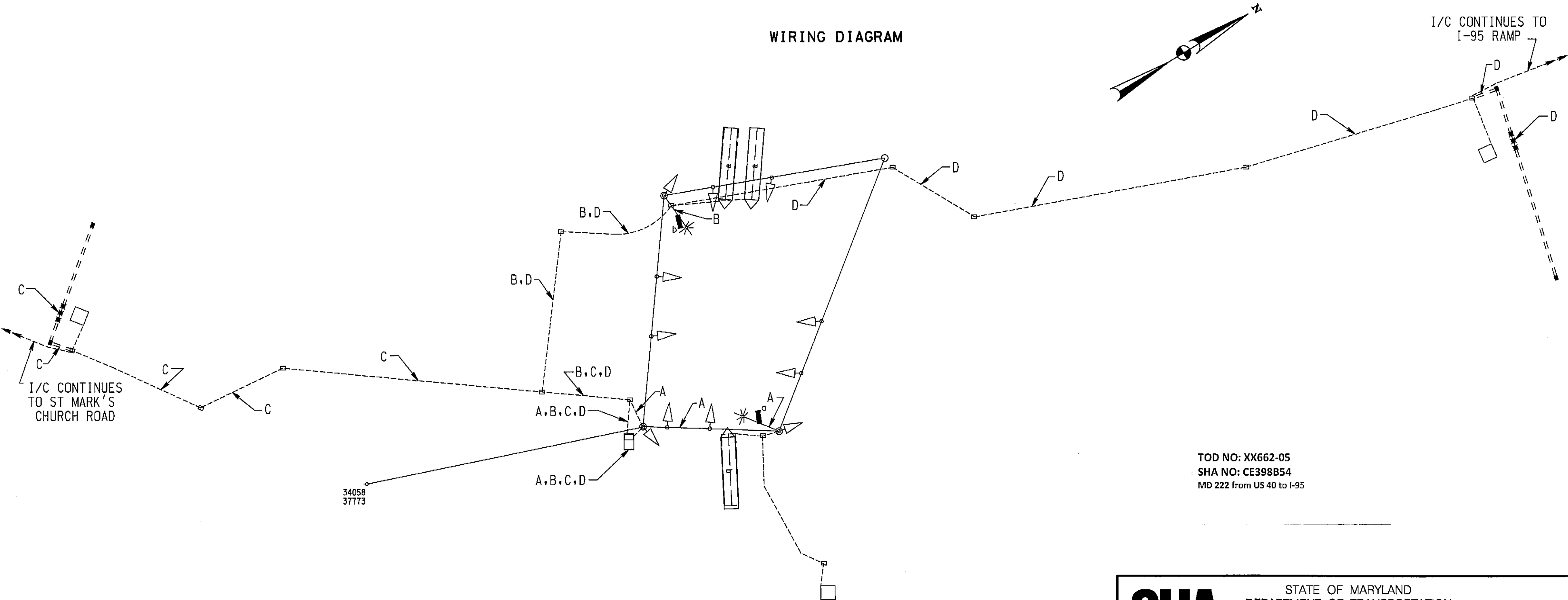
ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
1002	1 LS	MAINTENANCE OF TRAFFIC
5001	32 LF	F/I 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8007	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8008	2 EA	VIDEO DETECTION CAMERA AND CABLE
8014	130 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - SLOTTED
8015	40 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8017	2 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD-IN CABLE
8018	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	R	Y	R	R	R	R	R	→
Phase 4 & 8	R	R	R	R	R	G	G	G	G	G	G	↓
4 & 8 Change	R	R	R	R	R	Y	Y	Y	Y	Y	Y	↑
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	⬅ ⬆ ⬇ ⬅

WIRING DIAGRAM



WIRING LEGEND


A,B - VIDEO DETECTION CABLE
C,D - NON-INVASIVE DETECTOR

TOD NO: XX662-05
SHA NO: CE398854
MD 222 from US 40 to I-95



ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 222 AND RESERVOIR ROAD
PERRYVILLE, MARYLAND

GENERAL INFORMATION

SCALE NTS ADVERTISED DATE 10/2012 CONTRACT NO. XX66251805

DESIGNED BY AMH COUNTY CECIL
DRAWN BY RLB LOGMILE 07022202.20
CHECKED BY JFL TMS NO. L497
F.A.P. NO. NA TOD NO.

TS NO. 2425B DRAWING **SP-2** OF 4 SHEET NO. 2 OF 4